

```
gcagcaagat ctctgaaata taagctctgt aagaccaatc tgaagtgtctg atgatcaata 120
tgaactgaaa catcatgccca caatgggctg gtactttgtgc aaaattctctt ggcattgtgat 180
gagaatcaca tggttacctc tttggatcgc acc 213
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<210> 49
 <211> 235
 <212> DNA
 <213> Pinus taeda

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<400> 49
ggtgcatcc aaagagcctt cttgcagaca atccgtgaaa acatggctat acaataaatt 60
cccagtttgg aattctaaat aaaactgttc aatatttgaa ggcctctgat atcacagaga 120
ctgatattag aatggaagca tgtagcaacc ctagaagctt tcgcataaag ataccagatt 180
aattcataag aaggatctct cgttcaccag tcacatatca cagtcggatc gcacc 235
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<210> 50
 <211> 216
 <212> DNA
 <213> Pinus taeda

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<400> 50
ggtgcatcc gttagatgag ctgccaaagta tggaattatt gacatttttg gacgggttat 60
gggcagaggg atgtgccaaag ctgaagaaga taccgggggt ggagcaagcc acaaaaacttc 120
gagagttaga tgttagtggg tgccctcagt tagatgagct gccaaagtatg gaattattga 180
catcttttga cggcttgtgg gcaaagggat cgcacc 216
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<210> 51
 <211> 462
 <212> DNA
 <213> Pinus taeda

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<400> 51
ggtgcatcc acatagtttg aatgcaagga aattgcacat acttcgtggg gaatttcgat 60
ggcaaatcag tccaggtaaa tgacttctca acataggtcc aaaactcttt catagaccag 120
atcttgaccg tgttgtccat gccacagctt gcaatacgat atacatctga aggatgaaaa 180
tctacactga gaacttcatt gcatgtccc ccagctccag caaatatcaa aatgcatatt 240
ccagtttgaa cattccagag tcgtacagat tcattcttgc tagcagataa aataagggaa 300
ggtttcagtt gcttgggtcc ttatttcatt cacagaactc catggccaac gaaactctta 360
tggaactttc atttgcacat ccattctcga attatacatt gtgaccgcag ccactaataa 420
tggggaacat cactgcgctg cccacttatg tgttaaagaa tc 462
```

<210> 52
 <211> 246
 <212> DNA
 <213> Pinus taeda

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<400> 52
ggtgcatcc cctccattta ccatgggtata ctgttccaaa ggttccagag cctagctctt 60
tcaattcttc aaggtcagca ttctttatta tctggaaact tcgctagctg tgtctataat 120
cacgaaaccc agacggggaa ctaataggcg atgaagtctt tcttatccat aaccgttgca 180
aagatcttac acggagtttt ctcttctctt gctgtggctt tctttcccgt attctcggat 240
cgcacc 246
```

<210> 53
 <211> 527
 <212> DNA
 <213> Pinus taeda

<400> 53
 ggtgcatcc ataatgaga gggcgcata gagactacca caaatcctac atacctccat 60
 tcacccctgg atcggttata caaggatttg ggggtggctaa agtgatactc tcaaatcacc 120
 cagacttcag agagggtgac tttgtatctg gtactatagg atgggaagag tacagcataa 180
 taccaaaagg gagtaactta agaaagatca aatatacgga cgtaccactt tcatattttg 240
 tgggtgtttt aagaatgccc gggtttactg cttatgctgg attctttgaa gtttgctctc 300
 ctaaaaaggg ggagcatgtt tttgtctctg ccgcttcagg agctgttggc cagcttggtg 360
 ggcactttgc aaagtgtgat ggttgctatg ttgttaggga gcgcgggtaa caaacagaag 420
 gctgatctgc tgaaacataa aatgggcttt gatgatgatc tccaccataa cgaggagcat 480
 gacttcgatg tggttttaaa aaggcatttt ccagatggga ttgcacc 527

<210> 54
 <211> 273
 <212> DNA
 <213> Pinus taeda

<400> 54
 ggtgcatcg aactgaatga atgacgttgc caagctatgt ttgggaatta aaacttgaat 60
 gccgttattc tctccttttt ccaaaagggc cttttctgcc agaaaacctt aaatttctga 120
 ctggtttcca agtccaattt ttaaaatatg gattggttta ccattgaagg caccaccatg 180
 ctctgaaagt tatggactgc acttgcccca gtgctatatt tagtccagat agcgcttgtg 240
 tctctaaatg catctcctcg ctcgatatc acc 273

<210> 55
 <211> 220
 <212> DNA
 <213> Pinus taeda

<400> 55
 ggtgcatcc gaacagaggg agcagatttt gcccttgcaa gtattcacaa cattagagaa 60
 gccctgccag agatatggga ggaagaagat gcagagaaca ccaaaaatgt tgtgggatca 120
 agaggagcgg atgcaactat agaaactgtt gtcacggcat aagccatcgc ctcatggaat 180
 gaggggaatgg aggactagac aaatcccttt ggatcgacc 220

<210> 56
 <211> 483
 <212> DNA
 <213> Pinus taeda

<400> 56
 ggtgcatcc gattgggcag ctgcagcctt gggaagcttt agaatcaaat tgcactcatc 60
 ctccaggagg tattgagaag tcaatttctc aaggctctaca gtgacagaag gaaccatctt 120
 gacaatctta tcagggttcc tgctctggtt aaacacttca actttgacag gacgagagaa 180
 tgtgactaat tcatcttctt catcagactc tacatcttcc tgtttcaaga aacaaagata 240
 ctgatcatca ctagggcaag aattgatgat tttgatatct ctggagaagc cagtgtttac 300
 attggtttgc ttcattggcca ccagtctatg gcataaagct ttcccgaaag ggtacttggc 360
 agattttaaca gagcccaacg ttatatttta ggcccatctc tttgctctca aaatttttct 420
 tgcactctct ggagaatata aaacccttg gtgtctcttt ccacaaacac cttctcattg 480
 atc 483

<210> 57
 <211> 472
 <212> DNA
 <213> Pinus taeda

<400> 57
 ggtgcatcc aactgagaag ggtgtttggt ggaaagatga caccaagtgg gttctatatt 60
 ctccagagga tgcaagaaaa attttgagag aaagaagatg ggcccttaaa tataacgtgg 120
 ggttctgtta aatctgccaa gtacccttca ggaaagtta tgccatagac ttggtggcca 180
 tgaagcaaac caatgtaaac actgggttctc cagagatatc aaaatcatca attcttgccc 240
 tagtgatgat caggaagatg tagagtctga tgaagaagat gaattagtca cattctctcg 300
 tcctgtcaaa gttgaagtgc ttaaccagag caggaaacct gataagattg tcaagatggg 360
 tccttctgtc actgtagacc ttgagaaatt gacttctcaa tacctcctgg aggatgagtg 420
 caatttgatt ctaaagcttc ccaaggctgc agctgcccaa tcggatcgca cc 472

<210> 58
 <211> 246
 <212> DNA
 <213> Pinus taeda

<400> 58
 ggtgcatcc atgtagtgcc aacttacgag atcactaact ttaaaactat catgcaattg 60
 gccaatagaa ggcacacttg ctgtgccaaa gtatcgatag gctactcccg atgggtcaat 120
 catatatagt tggggcccat ctctatcata acctccaagg ataactccag atccaaaagg 180
 ccttaaccac caatatagtg tgcacaaatg cacataactg gcaacacgtt cacaaagttc 240
 cttaat 246

<210> 59
 <211> 255
 <212> DNA
 <213> Pinus taeda

<400> 59
 ggtgcatcc catgggatag ttgcaagaca cacaaatttg ttgtgaaaga agagagacac 60
 gcacagacaa ccatatgata tttttttttt tttttttttt tttttttttt ttttttttag 120
 caaaattcaa aactttttta ttaaatccaa gccatatatc tggcaaattc accgaaatat 180
 gtacaatcgc agcgcatgtc ttggcttgcg acagaaacca tattcgacag tcttcataag 240
 gctttggatc gcacc 255

<210> 60
 <211> 368
 <212> DNA
 <213> Pinus taeda

<400> 60
 ggtgcatcc cactgtagtt gtccttggtg agcatagtgc aagctgttct gattcaccca 60
 gtagtggtcc caacactgcg aggtgctgcc atttccattc cattcacaga cgtcagtgtt 120
 gaaattcata taggaagcca caaagggtga ggaagaccaa tctattttca ctgccccccc 180
 ttgagttgcc cactggtctc cgctccatat gctagagaat actctcattg cctgctcatt 240
 cggataggga acgcctatgt tttcattggt tgcaaatact ctgattggca aaccatcaac 300
 gaaaatcgca atttgctggg gggtccagag aatagagtaa ttgtggaaat ctgctgtagg 360
 atcgacc 368